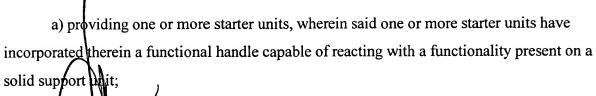
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2	Claims	
3		
4	What	we claim is:
5		
6	1.	A method for the combinatorial biosynthesis of one or more compounds comprising:
7		a) providing one or more starter units, wherein said one or more starter units have
8	incorp	porated therein a functional handle capable of reacting with a functionality present on a
9	solid support unit;	
10	V7	b) attaching said one or more starter units to a solid support unit;
		c) feeding said one or more support bound starter units into one or more biosynthetic
12	enzymatic machinery systems to generate a collection of template structures;	
B		d) functionalizing said template structures using synthetic organic chemistry; and
12 m m 1,140 mm 16		e) repeating steps c) and/or d) until a/desired collection of structures is generated.
1		
16	2.	The method of claim 1, further comprising functionalizing said collection of structures
.1 .17	generated in step e) to provide a collection of unnatural natural products.	
T8		
Ď	3.	A method for the combinatorial biosynthesis of one or more compounds comprising:
20 21		a) providing one or more starter units, wherein said one or more starter units have
21	incorporated therein a functional handle capable of reacting with a functionality present on a	
22	solid support unit;	
23		b) attaching said one or more starter units to one or more solid support units;
24		c) feeding said one or more starter units into one or more biosynthetic enzymatic
25	machinery systems to generate a collection of template structures;	
26	,	d) functionalizing said collection of template structures to generate a collection of
27	unpatural natural products.	
28	,	X
29	4.	A method for the combinatorial biosynthesis of one or more compounds comprising:



- b) feeding said one or more starter units into one or more enzymatic machinery sytstems to generate a collection of template structures;
 - c) attaching said collection of template structures to solid support units; and
- d) functionalizing said collection of support bound templates to generate a collection of unnatural natural products.

